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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/571,874	04/11/2006	Johannes Jung	3602-PAT	6886
30084 DONN K. HAR	7590 10/08/200 RMS	EXAMINER		
PATENT & TR	ADEMARK LAW CE	GANESAN, SUBA		
SUITE 100 12702 VIA CO	RTINA	ART UNIT	PAPER NUMBER	
DEL MAR, CA	. 92014	3774		
			MAIL DATE	DELIVERY MODE
			10/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Ар	plication No.	Applicant(s)				
		10	/571,874	JUNG, JOHA	JUNG, JOHANNES			
		Exa	aminer	Art Unit				
		SU	BA GANESAN	3774				
- Period fo	- The MAILING DATE of this communic r Reply	cation appears	on the cover sheet w	with the correspondence	e address			
WHIC - Exten after 9 - If NO - Failur Any re	DRTENED STATUTORY PERIOD FOR HEVER IS LONGER, FROM THE MASSIONS of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community period for reply is specified above, the maximum state to reply within the set or extended period for reply were ply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	AILING DATE f 37 CFR 1.136(a). nication. utory period will app rill, by statute, cause	OF THIS COMMUN In no event, however, may a ly and will expire SIX (6) MO the application to become a	IICATION. a reply be timely filed DNTHS from the mailing date of ABANDONED (35 U.S.C. § 133	this communication.			
Status								
1) 又	Responsive to communication(s) filed	l on <i>27 Augus</i>	t 2008					
•	•		on is non-final.					
—		/ —		tters prosecution as to	o the merits is			
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
	·	.						
· ·	lisposition of Claims							
-	Claim(s) <u>1-5 and 9-12</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
′=	5) Claim(s) is/are allowed.							
· ·	Claim(s) <u>1-5 and 9-12</u> is/are rejected.							
•	Claim(s) is/are objected to.							
8)[_]	Claim(s) are subject to restrict	ion and/or ele	ction requirement.					
Application	on Papers							
9) 🔲 🗆	The specification is objected to by the	Examiner.						
10)[10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any object	ion to the draw	ing(s) be held in abeya	ance. See 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including t	he correction is	required if the drawin	g(s) is objected to. See 3	37 CFR 1.121(d).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	nder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice 3) Inform	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	[°] O-948)	Paper No	r Summary (PTO-413) o(s)/Mail Date · Informal Patent Application 	ı			

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3.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/27/2008 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claims 1-5, and 9-12 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims **1-2**, **4-5**, **9-12** are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim (U.S. Pat. No.: 6,270,524) in view of Chouinard et al. (6,585,758).
- 4. Kim discloses a stent with a tubular wall comprised of annular segments 14 connected to one another by means of connecting segments 22 comprising elements 20 with an elastic structure (examiner considers elements 20 to have and elastic

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structure because they are designed to compress and expand). An annular segment 14 in a terminal region of the stent is directly connected (without connecting segments 22) to an adjacent annular segment (see element 28, fig. 3A). The stent elements are v-shaped.

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- 5. Kim fails to show a curved anchoring element that curves radially outwardly and bridges at least one wall element with a radiopaque region on the curved tip. Chouinard teaches the use of a curved anchoring element 212 (fig. 7) with a radiopaque tip (col. 8 lines 35-44) that f bridges at least one wall element (see fig. 7) resulting in a stent end that anchors at a target location. The anchoring element bridges at least two wall elements. The anchor element is v-shaped. The stent has as least three anchoring elements. The stent further has radiopaque regions on the opposite tube ends (col. 8 lines 35-44). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided the flexible stent as disclosed by Kim with the curved anchoring element and radiopaque tip as taught by Chouinard to increase the anchoring of the stent ends and further provide an indication of stent expansion via the radiopaque markers.
- 6. With respect to claims 10-12, it is noted that the rejection is based upon a combination of the structure of Kim with Chouinard. Kim teaches annular segments connected together with connecting segments, and Chouinard teaches annular segments connected directly to one another. Although the combination of references lacks explicit teaching of as stent having a combination of directly connected annular segments and annular segments connected via connecting segments, Examiner

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considers such a combination within the level of ordinary skill in the art at the time the invention was made. One would have been motivated to have provided such a combination by a need to modulate the flexibility of the stent along the longitudinal axis in order to accommodate local vascular anatomy including curvature and width.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided the stent of Kim with segments directly connected to one another as taught by Chouinard for the purpose of providing controlled flexibility in specific regions of the stent.

- 7. Claim **3** is rejected under 35 U.S.C. 103(a) as being unpatentable over Kim (U.S. Pat. No.: 6,270,524) in view of Chouinard et al. (6,585,758) as applied above, and further in view of Fischell et al. (Pub. No.: US 20020058988).
- 8. Kim in view if Chouinard is explained supra. However, the combination lacks an anchoring element with larger thickness than the wall elements. Fischell teaches larger end thicknesses (figs. 8 and 10) in an expandable stent for enhanced visibility (para 17). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided the flexible stent of Kim and Chouinard with anchoring elements with greater thicknesses for the purpose of increasing the strength of the anchoring elements.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SUBA GANESAN whose telephone number is (571)272-3243. The examiner can normally be reached on M-F 7-4.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Isabella can be reached on 571-272-4749. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/S. G./ Examiner, Art Unit 3774 /William H. Matthews/ Primary Examiner, Art Unit 3774